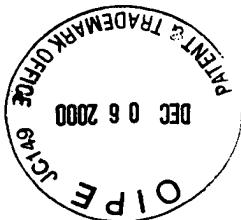


Applicant or Patentee: Mark I. Greene, Ramachandran Murali, Kazuhiko Aoki, William Carle Horne and Roland Baron

Serial or Patent No.: 09/627,775

Attorney's Docket No.: UPN-3832

Date Filed or Issued: July 28, 2000



For: METHODS OF INHIBITING OSTEOCLASTOGENESIS

**VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS
(37 CFR 1.9(f) and 1.27(d)) - NONPROFIT ORGANIZATION**

I hereby declare that I am an official empowered to act on behalf of the nonprofit organization identified below:

NAME OF ORGANIZATION
ADDRESS OF ORGANIZATION

Yale University
155 Whimsey Avenue, Room 210
P.O. Box 208336
New Haven, CT 06520-8336

TYPE OF ORGANIZATION:

- UNIVERSITY OR OTHER INSTITUTION OF HIGHER EDUCATION
- TAX EXEMPT UNDER INTERNAL REVENUE SERVICE CODE (26 USC 501(a) and 501(c)(3))
- NONPROFIT SCIENTIFIC OR EDUCATIONAL ORGANIZATION
QUALIFIED UNDER A NONPROFIT ORGANIZATION STATUTE OF A
STATE OF THE UNITED STATES OF AMERICA
(NAME OF STATE ____)
(CITATION OF STATUTE ____)
- WOULD QUALIFY AS TAX EXEMPT UNDER INTERNAL REVENUE
SERVICE CODE (26 USC 501(a) and 501(c)(3)) IF LOCATED IN THE UNITED
STATES OF AMERICA
- WOULD QUALIFY AS A NONPROFIT SCIENTIFIC OR EDUCATIONAL
ORGANIZATION QUALIFIED UNDER A NONPROFIT ORGANIZATION
STATUTE OF A STATE OF THE UNITED STATES OF AMERICA IF
LOCATED IN THE UNITED STATES OF AMERICA
(NAME OF STATE ____)
(CITATION OF STATUTE ____)

I hereby declare that the nonprofit organization identified above qualifies as a nonprofit organization as defined in 37 CFR 1.9(e) for purposes of paying reduced fees under section 41(a) and (b) of Title 35, United States Code with regard to the invention entitled METHODS OF INHIBITING OSTEOCLASTOGENESIS by inventor(s) Mark I. Greene, Ramachandran Murali, Kazuhiko Aoki, William Carle Horne and Roland Baron described in



- () the specification filed herewith.
 application serial no. 09/627,775, filed July 28, 2000
() patent no. , issued

I hereby declare that rights under contract or law have been conveyed to and remain with the nonprofit organization with regard to the above identified invention.

If the rights held by the nonprofit organization are not exclusive, each individual, concern or organization having rights to the invention is listed below* and no rights to the invention are held by any person, other than the inventor, who would not qualify as an independent inventor under 37 CFR 1.9(c) if that person made the invention, or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e).

*NOTE: Separate verified statements are required from each named person, concern or organization having rights to the invention attesting to their status as small entities.
(37 CFR 1.27)

FULL NAME: University of Pennsylvania
ADDRESS: 3700 Market Street, Suite 300
Philadelphia, PA 19104-3147

INDIVIDUAL SMALL BUSINESS CONCERN NONPROFIT ORGANIZATION

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate.
(37 CFR 1.28(b))

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

NAME OF PERSON SIGNING
TITLE IN ORGANIZATION
ADDRESS OF PERSON SIGNING

Kara McCarthy Casey, Esq.
Manager, Intellectual Property Affairs

Kara McCarthy Casey
SIGNATURE

9/12/00

DATE

Applicant or Patentee: Mark I. Greene, Ramachandran Murali, Kazuhiro Aoki, William Carle Horne and Roland Baron

Serial or Patent No.: 09/627,775

Attorney's Docket No.: UPN-3832

Date Filed or Issued: July 28, 2000

For: METHODS OF INHIBITING OSTEOCLASTOGENESIS

**VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS
(37 CFR 1.9(f) and 1.27(d)) - NONPROFIT ORGANIZATION**

I hereby declare that I am an official empowered to act on behalf of the nonprofit organization identified below:

NAME OF ORGANIZATION
ADDRESS OF ORGANIZATION

University of Pennsylvania
3700 Market Street, Suite 300
Philadelphia, PA 19104-3147

TYPE OF ORGANIZATION:

- UNIVERSITY OR OTHER INSTITUTION OF HIGHER EDUCATION**
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- NONPROFIT SCIENTIFIC OR EDUCATIONAL ORGANIZATION
QUALIFIED UNDER A NONPROFIT ORGANIZATION STATUTE OF A
STATE OF THE UNITED STATES OF AMERICA**
(NAME OF STATE)
(CITATION OF STATUTE)
- WOULD QUALIFY AS TAX EXEMPT UNDER INTERNAL REVENUE
SERVICE CODE (26 USC 501(a) and 501(c)(3)) IF LOCATED IN THE
UNITED STATES OF AMERICA**
- WOULD QUALIFY AS A NONPROFIT SCIENTIFIC OR EDUCATIONAL
ORGANIZATION QUALIFIED UNDER A NONPROFIT ORGANIZATION
STATUTE OF A STATE OF THE UNITED STATES OF AMERICA IF
LOCATED IN THE UNITED STATES OF AMERICA**
(NAME OF STATE)
(CITATION OF STATUTE)

I hereby declare that the nonprofit organization identified above qualifies as a nonprofit organization as defined in 37 CFR 1.9(e) for purposes of paying reduced fees under section 41(a) and (b) of Title 35, United States Code with regard to the invention entitled **METHODS OF INHIBITING OSTEOCLASTOGENESIS** by inventor(s) **Mark I. Greene, Ramachandran Murali, Kazuhiro Aoki, William Carle Horne and Roland Baron** described in

- () the specification filed herewith.
(XX) application serial no. 09/627,775, filed July 28, 2000
() patent no. , issued



I hereby declare that rights under contract or law have been conveyed to and remain with the nonprofit organization with regard to the above identified invention.

If the rights held by the nonprofit organization are not exclusive, each individual, concern or organization having rights to the invention is listed below* and no rights to the invention are held by any person, other than the inventor, who would not qualify as an independent inventor under 37 CFR 1.9(c) if that person made the invention, or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e).

*NOTE: Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27)

FULL NAME: **Yale University**
ADDRESS: **155 Whitney Avenue, Room 210
P.O. Box 208336
New Haven, CT 06520-8336**

INDIVIDUAL SMALL BUSINESS CONCERN NONPROFIT ORGANIZATION

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

NAME OF PERSON SIGNING
TITLE IN ORGANIZATION
ADDRESS OF PERSON SIGNING

Alfred J. Glessner
Director of Operations and Licensing

Alfred J. Glessner
SIGNATURE

27 SEP 2000

DATE

DOCKET NO. UPN-3832L-2091



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

**Mark I. Greene, Ramachandran Murali,
Kazuhiro Aoki, William Carle Horne and
Roland Baron**

Group Art Unit: 1646

Serial No.: 09/627,775

Examiner: Not Assigned

Filed: July 28, 2000

**For: METHODS OF INHIBITING
OSTEOCLASTOGENESIS**

Assistant Commissioner for Patents
Washington DC 20231

Sir:

ASSOCIATE POWER OF ATTORNEY

The undersigned, of the firm WOODCOCK WASHBURN KURTZ
MACKIEWICZ & NORRIS LLP, One Liberty Place - 46th Floor, Philadelphia, Pennsylvania
19103, Attorney and/or Agents for Applicant(s), hereby appoints the following:

| | | | |
|-----------------------|-------------------------|----------------------|--------------------------|
| Robert B. Washburn | Registration No. 16,574 | David A. Cherry | Registration No. 35,099 |
| Richard E. Kurtz | Registration No. 19,263 | Terence P. Strobaugh | Registration No. 25,460 |
| John J. Mackiewicz | Registration No. 19,709 | Lynn A. Malinoski | Registration No. 38,788 |
| Norman L. Norris | Registration No. 24,196 | Michael J. Swope | Registration No. 38,041 |
| Dale M. Heist | Registration No. 28,425 | Michael J. Bonella | Registration No. 41,628 |
| John W. Caldwell | Registration No. 28,937 | Harold H. Fullmer | Registration No. 42,560 |
| Gary H. Levin | Registration No. 28,734 | William R. Richter | Registration No. 43,879 |
| Steven J. Rocci | Registration No. 30,489 | John E. McGlynn | Registration No. 42,863 |
| Dianne B. Elderkin | Registration No. 28,598 | Jonathan M. Waldman | Registration No. 40,861 |
| John P. Donohue, Jr. | Registration No. 29,916 | Chad Ziegler | Registration No. 44,273 |
| Henrik D. Parker | Registration No. 31,863 | David N. Farsiu | Registration No. 44,104 |
| Suzanne E. Miller | Registration No. 32,279 | Paul K. Legaard | Registration No. 38,534 |
| Lynn B. Morreale | Registration No. 32,842 | Maureen S. Gibbons | Registration No. 44,121 |
| Mark DeLuca | Registration No. 33,229 | Steven H. Meyer | Registration No. 37,189 |
| Joseph Lucci | Registration No. 33,307 | Paul B. Milcetic | Registration No. P46,261 |
| Michael P. Dunnam | Registration No. 32,611 | Joseph R. Condo | Registration No. 42,431 |
| Michael D. Stein | Registration No. 34,734 | Michael K. Jones | Registration No. 41,100 |
| Albert J. Marcellino | Registration No. 34,664 | Frank T. Carroll | Registration No. 42,392 |
| David R. Bailey | Registration No. 35,057 | Mark J. Rosen | Registration No. 39,822 |
| Doreen Yatko Trujillo | Registration No. 35,719 | Mitchell R. Brustein | Registration No. 38,394 |
| Barbara L. Mullin | Registration No. 38,250 | Eric H. Vance | Registration No. 47,151 |
| Kevin M. Flannery | Registration No. 35,871 | Peter M. Ullman | Registration No. 43,963 |
| Michael P. Straher | Registration No. 38,325 | Thomas E. Watson | Registration No. 43,243 |

DOCKET NO. UPN-3832\L-2091

- 2 -

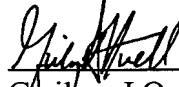


PATENT

| | | | |
|---------------------|-------------------------|----------------------|--------------------------|
| Richard B. LeBlanc | Registration No. 39,495 | Christine A. Goddard | Registration No. 46,731 |
| Joseph D. Rossi | Registration No. 47,039 | Gregory L. Hillyer | Registration No. 44,154 |
| George J. Awad | Registration No. 46,528 | Patrick J. Farley | Registration No. 42,524 |
| Steven D. Maslowski | Registration No. 46,905 | Ellen M. Klann | Registration No. 44,836 |
| S. Maurice Valla | Registration No. 43,966 | Steven B. Samuels | Registration No. 37,711 |
| Vincent J. Roccia | Registration No. 43,887 | Susan C. Murphy | Registration No. 46,221 |
| Robin S. Quartin | Registration No. 45,028 | Roseleen P. Morris | Registration No. P47,321 |

his/her associates with full power to prosecute the above-identified application and to transact all business in the Patent Office connected therewith and requests that correspondence continue to be directed to the firm of WOODCOCK WASHBURN KURTZ MACKIEWICZ & NORRIS LLP at the above address.

Date: *December 4, 2000*

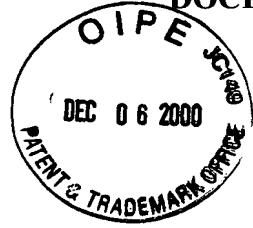

Gwilym J.O. Attwell
Registration No. 45,449

Woodcock Washburn Kurtz
Mackiewicz & Norris LLP
One Liberty Place - 46th Floor
Philadelphia PA 19103
Telephone: (215) 568-3100
Facsimile: (215) 568-3439

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DOCKET NO. UPN-3832

PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Mark I. Greene, Ramachandran Murali, Kazuhiro Aoki, William Carle Horne and Roland Baron

For: METHODS OF INHIBITING
OSTEOCLASTOGENESIS

Group Art Unit: Not yet assigned

Examiner: Not yet assigned

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name; and

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a

Utility Patent Design Patent

is sought on the invention, whose title appears above, the specification of which:

- is attached hereto.
- was filed on _____ as Serial No. _____
- said application having been amended on _____

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to be material to the patentability of this application in accordance with 37 CFR § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a-d) of any **foreign application(s)** for patent or inventor's certificate listed below and have also identified below

any foreign application for patent or inventor's certificate having a filing date before that of any application on which priority is claimed:

| Priority Claimed (If X'd) | Country | Serial Number | Date Filed |
|--|----------------|----------------------|-------------------|
| <input type="checkbox"/> | _____ | _____ | _____ |
| <input type="checkbox"/> | _____ | _____ | _____ |
| <input type="checkbox"/> | _____ | _____ | _____ |
| <input type="checkbox"/> | _____ | _____ | _____ |

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to be material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

| Serial Number | Date Filed | Patented/Pending/Abandoned |
|----------------------|-------------------|-----------------------------------|
| _____ | _____ | _____ |
| _____ | _____ | _____ |
| _____ | _____ | _____ |
| _____ | _____ | _____ |
| _____ | _____ | _____ |

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional

application(s) listed below:

| Serial Number | Date Filed |
|-------------------|----------------------|
| <u>60/146,090</u> | <u>July 28, 1999</u> |
| | |

I hereby appoint the following persons of the firm of **WOODCOCK WASHBURN KURTZ MACKIEWICZ & NORRIS LLP**, One Liberty Place - 46th Floor, Philadelphia, Pennsylvania 19103 as attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

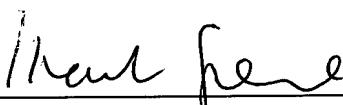
| | |
|-----------------------------|------------------------|
| <u>Mark DeLuca</u> | Reg. No. <u>33,229</u> |
| <u>Gwilym J. O. Attwell</u> | Reg. No. <u>45,449</u> |

Address all telephone calls and correspondence to:

Gwilym J. O. Attwell
**WOODCOCK WASHBURN KURTZ
MACKIEWICZ & NORRIS LLP**
One Liberty Place - 46th Floor
Philadelphia PA 19103
Telephone No.: **(215) 568-3100**
Facsimile No.: **(215) 568-3439**

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.



| | |
|--|---|
| Name: Mark I. Greene |  Signature |
| Mailing Address: 300 Righters Mill Road Penn Valley Pennsylvania 19072 | Date of Signature: <u>Sept. 25/2000</u> |
| City/State of Actual Residence: Penn Valley, Pennsylvania | Citizenship: <u>United States</u> |

| | |
|---|---|
| Name: Ramachandran Murali |  Signature |
| Mailing Address: 41-6 Revere Road Drexel Hill, Pennsylvania 19026 | Date of Signature: <u>Sep 26, 2000</u> |
| City/State of Actual Residence: Drexel Hill, Pennsylvania 19026 | Citizenship: <u>India</u> |

| | |
|--|---|
| Name: Kazuhiro Aoki |  Signature |
| Mailing Address: 3-10-10-807 Izumi-cho Narashino-shi Chiba 275-0006 JAPAN | Date of Signature: <u>October 27, 2000</u> |
| City/State of Actual Residence: Chiba 275-0006 JAPAN | Citizenship: <u>Japanese</u> |

DOCKET NO. UPN-3832

- 5 -



PATENT

| | |
|---|--|
| Name: William Carle Horne | <u>William C. Horne</u> Signature |
| Mailing Address: 246 Pleasant Point Road Branford, CT 06405 | Date of Signature: <u>September 29, 2000</u> |
| City/State of Actual Residence: Branford, CT | Citizenship: <u>United States</u> |

| | |
|--|-----------------------------------|
| Name: Roland Baron | <u></u> Signature |
| Mailing Address: 9 Little Harbor Road Guilford, CT 06437 | Date of Signature: <u></u> |
| City/State of Actual Residence: Guilford, CT 06437 | Citizenship: <u>United States</u> |

| | |
|--|----------------------------|
| Name: <u></u> | <u></u> Signature |
| Mailing Address: <u></u> | Date of Signature: <u></u> |
| City/State of Actual Residence: <u></u> | Citizenship: <u></u> |



| | |
|--|-----------------------------------|
| Name: Mark I. Greene | Signature |
| Mailing Address: 300 Righters Mill Road Penn Valley Pennsylvania 19072 | Date of Signature: _____ |
| City/State of Actual Residence: Penn Valley, Pennsylvania | Citizenship: <u>United States</u> |

| | |
|---|---------------------------|
| Name: Ramachandran Murali | Signature |
| Mailing Address: 41-6 Revere Road Drexel Hill, Pennsylvania 19026 | Date of Signature: _____ |
| City/State of Actual Residence: Drexel Hill, Pennsylvania 19026 | Citizenship: <u>India</u> |

| | |
|--|--|
| Name: Kazuhiro Aoki | <i>Kazuhiko Aoki</i> Signature |
| Mailing Address: 3-10-10-807 Izumi-cho Narashino-shi Chiba 275-0006 JAPAN | Date of Signature: <u>September 29,</u> <u>2000</u> |
| City/State of Actual Residence: Chiba 275-0006 JAPAN | Citizenship: <u>Japanese</u> |

DOCKET NO. UPN-3832

- 5 -



PATENT

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| | |
|--|------------------------------------|
| Name: Roland Baron | Signature |
| Mailing Address: 9 Little Harbor Road Guilford, CT 06437 | Date of Signature: <u>10/10/00</u> |
| City/State of Actual Residence: Guilford, CT 06437 | Citizenship: <u>United States</u> |

| | |
|---------------------------------|--------------------------|
| Name: | Signature |
| Mailing Address: | Date of Signature: _____ |
| City/State of Actual Residence: | Citizenship: _____ |